# CrimeStopper

# CS-2205ADVTW1 *Deluxe 2-Way LED Paging Security System*

## INSTALLATION & OPERATING INSTRUCTIONS

**CONGRATULATIONS** on your choice of a Security System by Crimestopper Security Products Inc. This booklet contains the information necessary for installing, using, and maintaining your CS-2205 Advantage alarm system. If any questions arise, contact your installation dealer or Crimestopper Security Products Inc. at the Tech Support number below.

This installation book is designed for the installer or individual with an existing understanding of automotive electrical systems, along with the ability to test and connect wires for proper operation. *To ease installation, we suggest that you READ THIS MANUAL before beginning your installation. This book is provided as a GENERAL GUIDLINE and the information contained herein may differ from your vehicle.*

*IMPORTANT INFORMATION: Primary and Optional Features*
**-PRIMARY:** These are features that must be connected in order for the system to operate properly i.e. Siren, L.E.D., Power, Ground, Door Pin, and Flashing Lights etc.

**-OPTIONAL:** These are features are to be connected only if desired or agreed upon by the customer and the installing dealer (i.e. Door Locks, Starter Disable, Hood/Trunk Protection and Auxiliary Remote Outputs etc.) These features may also require additional parts and/or labor fees. Consult with your installer beforehand to be sure of what is going to be installed with your particular system.

**TECH SUPPORT**
**(800) 998-6880**
**Hours: M-F 8:00AM-4:30PM**
**Pacific Std. Time**

REV B  6.2005

This device complies with FCC Rules part 15. Operation is subject to the following two conditions: 1) This device may not cause interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.

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# INSTALLATION CAUTIONS & WARNINGS

**BEFORE BEGINNING**, check all vehicle manufacturer cautions and warnings regarding electrical service (AIR BAGS, ABS BRAKES, AND BATTERY).

**TO PREVENT A POSSIBLE DEAD BATTERY** remove vehicle dome light fuse while working on the vehicle. MAKE CERTAIN TO REINSTALL FUSE PRIOR TO TESTING FOR DOOR TRIGGERS.

**DO NOT EXCEED MAXIMUM OUTPUT RATINGS! -** SERIOUS DAMAGE MAY OCCUR. LIMITS FOR ALARM FUNCTIONS ARE LISTED WHERE APPLICABLE.

**REMOVE MAIN SYSTEM FUSE (S)** before jump starting the vehicle or charging the battery at high boost. DAMAGE MAY OCCUR TO SYSTEM IF PROPER PRECAUTIONS ARE NOT OBSERVED.

**DO NOT** Mount the control unit or wiring harness in the engine compartment or anywhere they can become entangled with moving parts such as brake/gas/clutch pedals, or the steering column.  The alarm control module should be mounted in a concealed location.  The antenna wire should be routed away from any metal if possible.  Do not alter the length of the antenna, ground it, or route it with other wires.

# CONTROL MODULE/COMPONENT MOUNTING

**CONTROL MODULE:** The alarm control module should be mounted in a concealed location. DO NOT mount the control unit in the engine compartment. Fasten the module to a bracket or wire harness using the cable ties provided.

**ANTENNA MODULE:** For optimum range and performance, the antenna/receiver module should be located high up on the front windshield glass. For example: behind the rearview mirror. Note: Window tint or films may decrease the range of the system. The mounting surface for the antenna should be clean and dry.

**SIREN MOUNTING:** Mount the siren under the hood to fender-well or other body surface with the open end facing downward. Run the red siren wire through the firewall using a rubber grommet. Ground the black wire to the body.

**LED:** Mount the LED in a visible location on the dashboard or console.

**SHOCK SENSOR:** Mount the included shock sensor with wire ties to an under dash wire harness or fasten with screws to firewall or side paneling.

**OVERIDE/PROGRAM BUTTON:** Mount the Override/Program push-button in a hidden but accessible location. It is used for emergency disarm without the use of the transmitter and for programming certain features.

# (H1) 6-PIN WHITE CONNECTOR

**RED WIRE: +12V POWER INPUT (3 Amp Fuse)**
Connect to a +12Volt source with the supplied fuse and fuse-holder. We recommend the connection to be at the Vehicle's Battery Positive Terminal.

**BROWN WIRE: (+) SIREN OUTPUT (3 Amp Max.)**
Connect to the siren's RED wire. Connect the Siren's Black Ground wire to the chassis close to the siren.

**BLACK WIRE: CHASSIS GROUND**
THIS WIRE NUST BE CONNECTED TO THE CHASSIS METAL OF THE VEHICLE. Scrape away any paint or dirt to ensure a good connection.

**WHITE WIRE: +12V FLASHING PARKING LIGHT OUTPUT (optional)**
Connect to switched parking light wire at back of light switch or connect directly to one of the parking lights at the front of the vehicle. European vehicles may require additional parts due to separate left and right circuits.

**RED/WHITE WIRE: INPUT SOURCE FOR FLASHING PARKING LIGHT**

Connect to a +12 Volt source or Chassis Ground depending on the vehicle Parking light circuit.

**WHITE WIRE: +12V FLASHING PARKING LIGHT OUTPUT (optional)**

Connect to switched parking light wire at back of light switch or connect directly to one of the parking lights at the front of the vehicle. European vehicles may require additional parts due to separate left and right circuits.
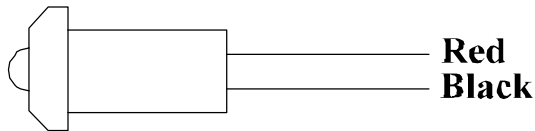
## (H 2) 4-PIN ORANGE CONNECTOR: SHOCK SENSOR

**4-PIN SENSOR PLUG:**

*RED WIRE: SENSOR +12V POWER*
*BLACK WIRE: SENSOR GROUND*
*BLUE WIRE: NEG. TRIGGER*
*GREEN WIRE: NEG. WARN-AWAY*

## (H 3) 2-PIN WHITE CONNECTOR: LED INDICATOR

**LED PLUG: LED Indicator (RED FLASHING LIGHT)**

Red
Black

**STATUS**

**LED**

## (H 4) 6-PIN WHITE CONNECTOR: POWER DOOR LOCK WIRING

**6-PIN DOOR LOCK PLUG 18 GA. (Optional / ON-Board Relays):**

| | | |
|---|---|---|
| **BROWN:** | **DOOR UNLOCK Relay Term. #87A:** | Normally Closed |
| **BLUE:** | **DOOR UNLOCK Relay Term. #30:** | Common  [Unlock Output] |
| **VIO/WHT:** | **DOOR UNLOCK Relay Term. #87:** | Normally Open  [Polarity Input for Unlock relay] |
| **WHITE:** | **DOOR LOCK Relay Term. #87A:** | Normally Closed |
| **GREEN:** | **DOOR LOCK Relay Term. #30:** | Common [Lock Output] |
| **VIOLET:** | **DOOR LOCK Relay Term. #87:** | Normally Open  [Polarity Input for Lock relay] |

# (H 4) POWER DOOR LOCK WIRING

**DETERMINING DOOR LOCK TYPE:** We recommend determining the type of locking system the vehicle has before connecting any wires. Incorrect connection may result in damage to the alarm and/or vehicle locking system. This door lock information is provided as a guide. Your vehicle may differ.

**Negative Trigger (-): Many Imports; Late model Ford & General Motors**
Negative trigger door lock systems send a Negative (Ground) pulse to existing factory relays to lock and unlock the vehicle doors.

**Positive Trigger (+): Many General Motors; Chrysler / Dodge / Plymouth**
Positive trigger door lock systems send a Positive (+12V) pulse through factory relays to lock and unlock doors.

**Reverse Polarity: Many Ford/Lincoln/Mercury/Dodge/Chrysler/Plymouth and early 90's GM Trucks**
Reverse Polarity systems use no relays, but instead the door lock/unlock motors are controlled directly from the lock and unlock switches in the door. The lock and unlock wires rest at Negative Ground when not in use. When the lock or unlock button is pressed, one of the circuits is "Lifted" and replaced with +12V causing a lock or unlock.

**Single Wire (Dual Voltage): Late model Chrysler/Dodge/Plymouth Vehicles, some 2000-UP GM**
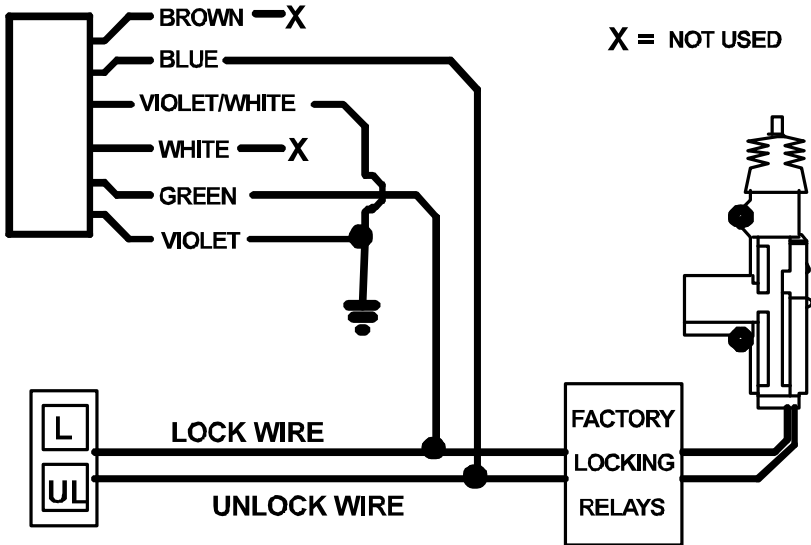Dual Voltage systems have lock/unlock switches that send varying amounts of Positive voltage OR Negative ground current to the SAME wire for both lock and unlock. When the vehicle's Body Computer Module (BCM) or door lock module senses different voltages on this wire, the system will either lock or unlock. Single wire door lock systems require relays and resistors.

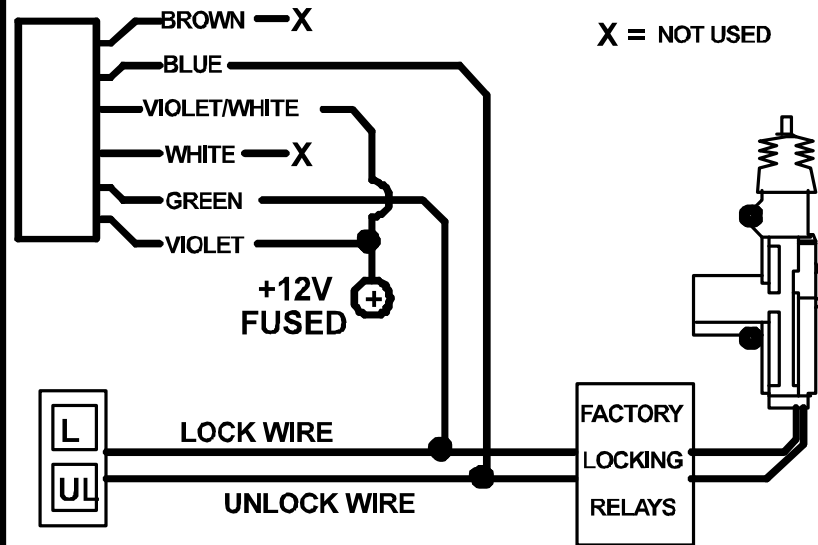**Databus Systems (2003 GM Trucks & SUV's, '99-05 Jeep Grand Cherokee)**
Databus systems send low current "Data messages" to the door lock controllers in order to lock and unlock the vehicle. To install aftermarket systems in these vehicles, an interface module is required that converts the regular lock/unlock pulses into "Data messages" to allow locking & unlocking. Interface modules are sold separately.

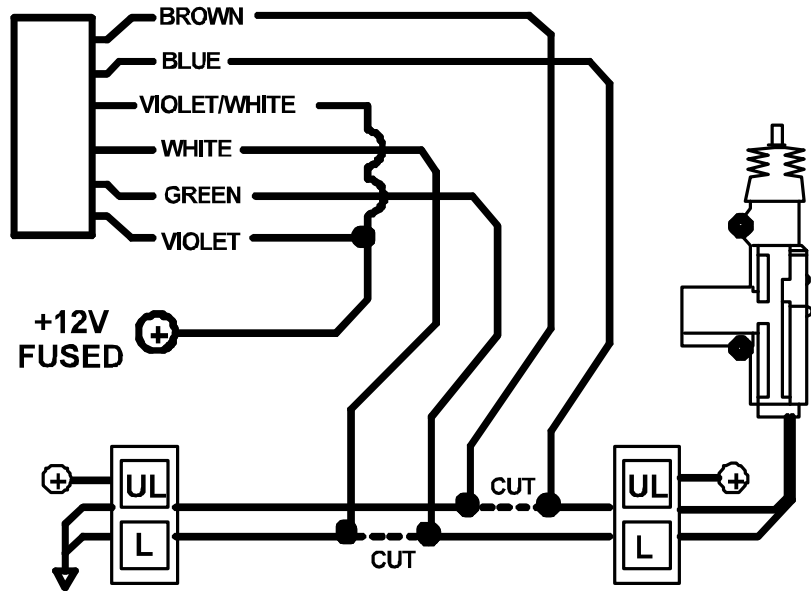# (H 4) POWER DOOR LOCK WIRE DIAGRAM
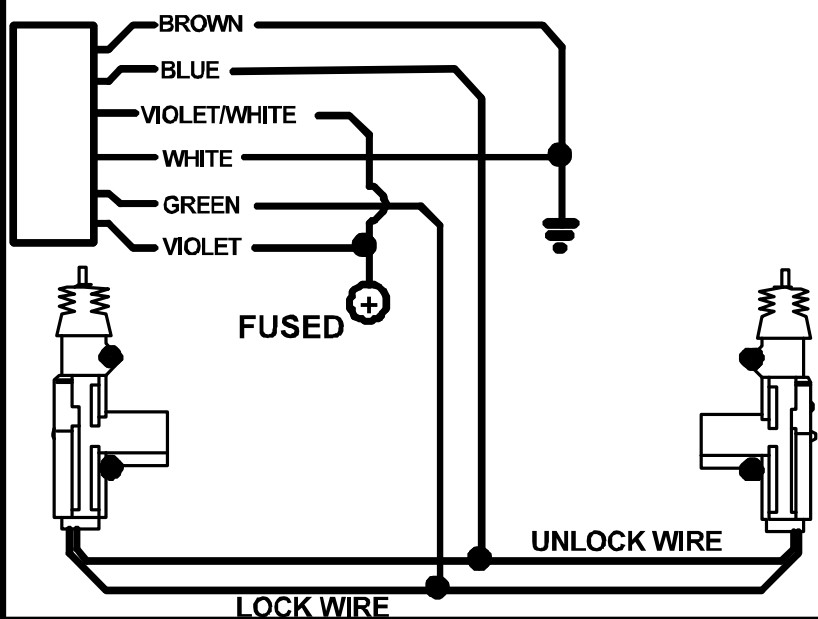
## NEGATIVE TRIGGER DOORLOCK WIRING

BROWN — X
BLUE
VIOLET/WHITE
WHITE — X
GREEN
VIOLET

X = NOT USED

L
UL

LOCK WIRE

UNLOCK WIRE

FACTORY
LOCKING
RELAYS

## POSITIVE TRIGGER DOORLOCK WIRING

BROWN — X
BLUE
VIOLET/WHITE
WHITE — X
GREEN
VIOLET

X = NOT USED

+12V
FUSED

L
UL

LOCK WIRE

UNLOCK WIRE

FACTORY
LOCKING
RELAYS

## REVERSE POLARITY DOOR LOCK WIRING

BROWN
BLUE
VIOLET/WHITE
WHITE
GREEN
VIOLET

+12V
FUSED

UL
L

UL
L

CUT

CUT

## AFTERMARKET MOTOR DOOR LOCK WIRING

BROWN
BLUE
VIOLET/WHITE
WHITE
GREEN
VIOLET

FUSED

UNLOCK WIRE

LOCK WIRE

6

# (H 5) ANTENNA/PAGER SWITCH

**Transmitter Antenna: Two-way Pager Antenna.**
Pager switch: Pages your Two-way pager in an event you lose your keys (Two-way pager only)

# (H 6) KNOCK SENSOR (Optional)

**KNOCK SENSOR (Optional):** *Sensor not included in kit.*

# (H 7) PROGRAM/OVERRIDE BUTTON

**2-PIN PLUG (LARGE): PROGRAM/OVERRIDE PUSH BUTTON**
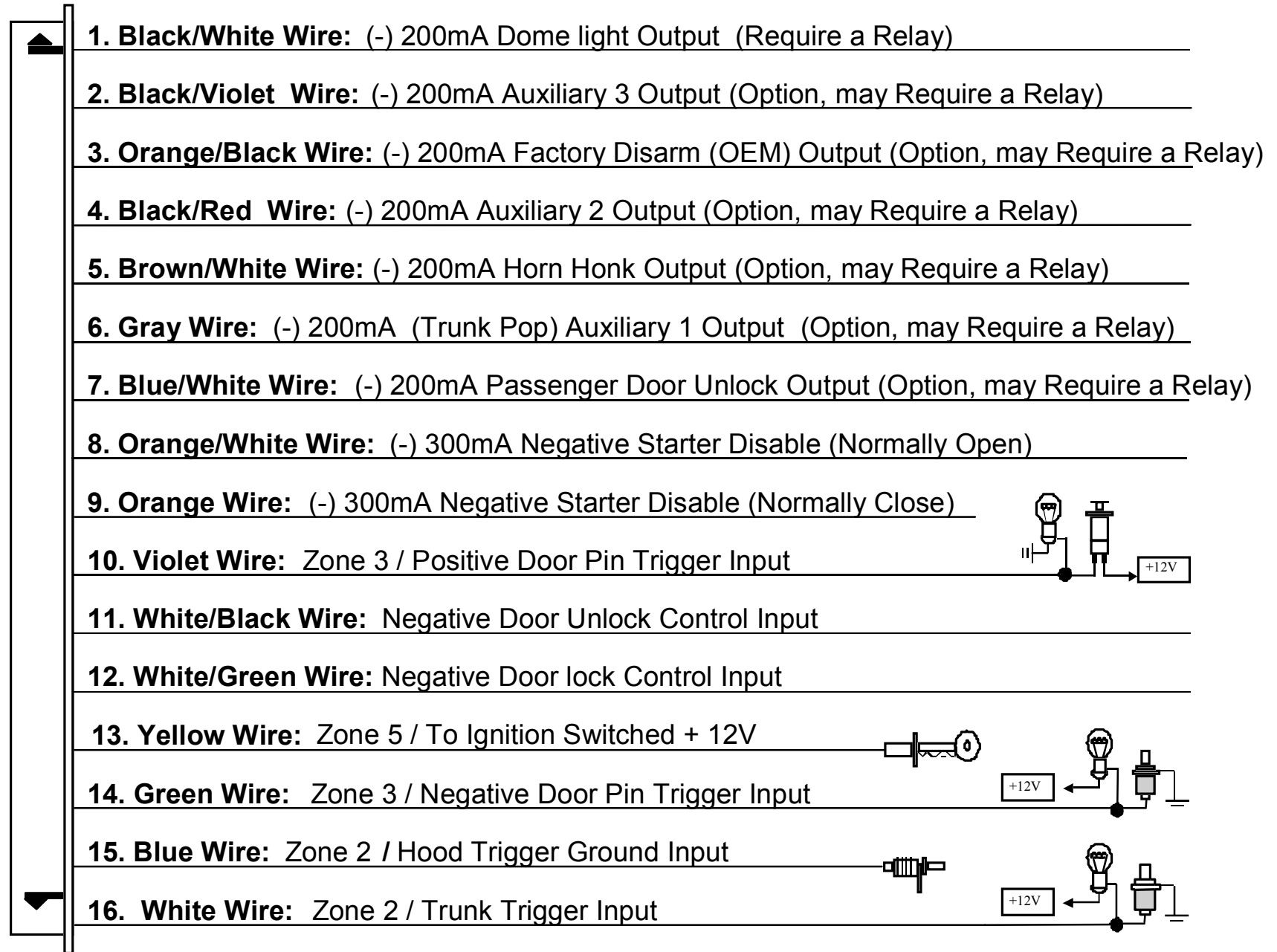**PROGRAM/Emergency Override (Disarm)**
*For Programming:*
Used to change options on program table and to code remote:
*For Emergency Override:*
If you have lost the transmitter or it stops working for any reason and the Alarm is armed, you will have to
Disarm the system manually. Open the door with the key [alarm will sound], turn the ignition on, and press the
Override/program button once. The Alarm will disarm and allow you to use the vehicle until you can repair/replace the
remote. Valet mode also prevents Passive Arming.

# (H8) PIN WIRING DIAGRAM

**1. Black/White Wire:** (-) 200mA Dome light Output  (Require a Relay)

**2. Black/Violet  Wire:** (-) 200mA Auxiliary 3 Output (Option, may Require a Relay)

**3. Orange/Black Wire:** (-) 200mA Factory Disarm (OEM) Output (Option, may Require a Relay)

**4. Black/Red  Wire:** (-) 200mA Auxiliary 2 Output (Option, may Require a Relay)

**5. Brown/White Wire:** (-) 200mA Horn Honk Output (Option, may Require a Relay)

**6. Gray Wire:**  (-) 200mA  (Trunk Pop) Auxiliary 1 Output  (Option, may Require a Relay)

**7. Blue/White Wire:**  (-) 200mA Passenger Door Unlock Output (Option, may Require a Relay)

**8. Orange/White Wire:**  (-) 300mA Negative Starter Disable (Normally Open)

**9. Orange Wire:**  (-) 300mA Negative Starter Disable (Normally Close)

**10. Violet Wire:**  Zone 3 / Positive Door Pin Trigger Input

**11. White/Black Wire:**  Negative Door Unlock Control Input

**12. White/Green Wire:** Negative Door lock Control Input

**13. Yellow Wire:**  Zone 5 / To Ignition Switched + 12V

**14. Green Wire:**   Zone 3 / Negative Door Pin Trigger Input

**15. Blue Wire:**  Zone 2 / Hood Trigger Ground Input

**16.  White Wire:**  Zone 2 / Trunk Trigger Input

# WIRING 16-PIN CONNECTOR

**BLACK/WHITE WIRE: DOME LIGHT Illumination Output (Optional, Requires relay)**
*Negative Dome Light System:* Connects to terminal 85 of a relay. Connect terminal 86 + 12V Constant. Connect terminal 87 to Chassis Ground and Connect Terminal 30 to the Negative dome light activation.
*Positive Dome Light System:* Connects to terminal 85 of a relay. Connect terminals 86 & 87 to + 12V Constant. Connect terminal 30 to the Positive dome light activation circuit.

**BLACK/VIOLET WIRE:(-) NEGATIVE AUX REMOTE OUTPUT 3 (Optional, may require a relay)**
Negative output when the unlock and trunk button is press at the same time. This wire connects the same way as Remote Output 1 see GRAY WIRE description below. (*To change the functions of this output go to program option number 21).*

**ORANGE/BLACK WIRE:(-) FACTORY OEM DISARM OUTPUT**
This wire provides a Ground pulse to disarm vehicles' Factory anti-theft system.  Connect this wire to the vehicles' anti-theft disarm wire. This wire is sometimes found coming off the Driver's door key switch or at the Factory Anti-theft control module.

**BLACK/RED WIRE: (-) NEGATIVE AUX REMOTE OUTPUT 2 (Optional, may require a relay)**
Negative output when the lock and trunk button is press at the same time. This wire connects the same way as Remote Output 1 see GRAY WIRE description below. *(To change the functions of this output go to program option number 20).*

**BROWN/WHITE WIRE: (-) HORN HONK OUTPUT (Optional, may require a relay)**
Connect to the Negative Horn Trigger wire usually located near the steering column.  If the vehicle horn circuit requires +12V, then a relay is required.  RELAY WIRING: Connect the Brown/White wire to terminal 85; connect relay terminals 86 and 87 to +12V constant power. Connect terminal 30 of the relay to the +12V positive device/circuit to be activated.

**GRAY WIRE: GRAY WIRE: (-) NEGATIVE AUX REMOTE OUTPUT 1 (Optional, may require a relay)**
This will become a 1 second pulse ground by pressing the trunk button on the transmitter for three seconds. The current capacity of this wire is 200mA. This feature allows you to remote control trunk release or other electric device. This output can also by program to provide the following type of output: latched and timed control output. (*To change the functions of this output go to program option number 19).*

**BLUE/WHITE WIRE: (-) PASSENGER(s) DOOR UNLOCK OUTPUT (Optional, requires relay)**
Connects to unlock circuit for passenger door(s) when using separate driver's door unlock option. Double press unlock button within 2 second to activate passenger unlock output.

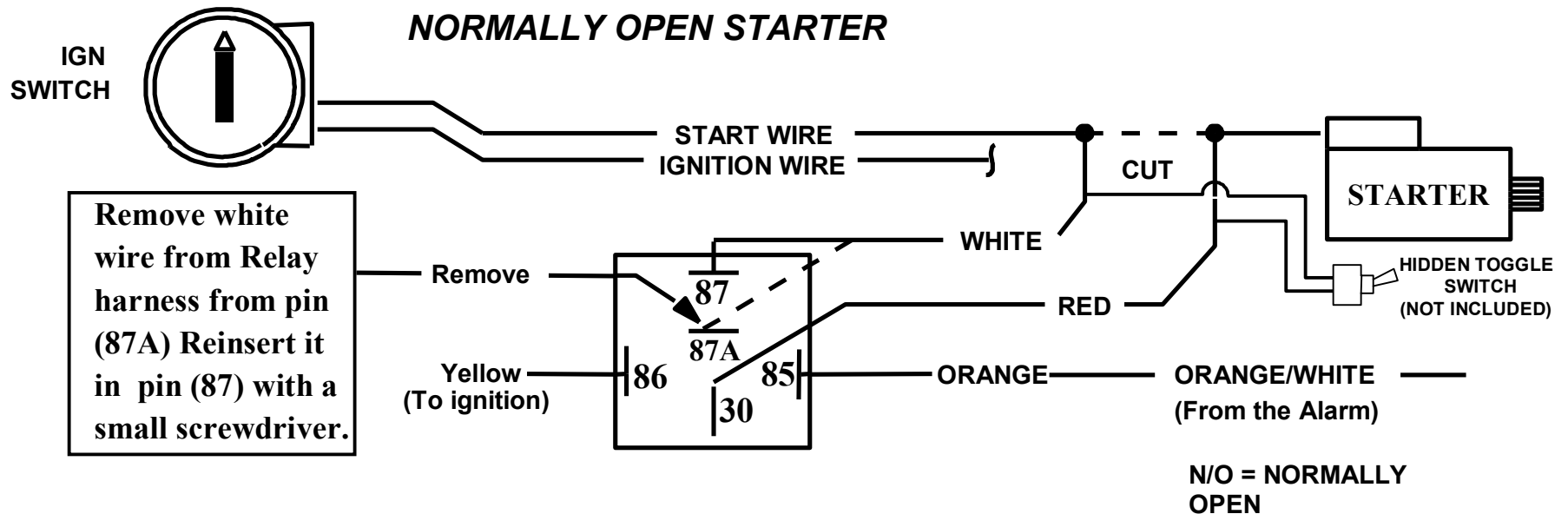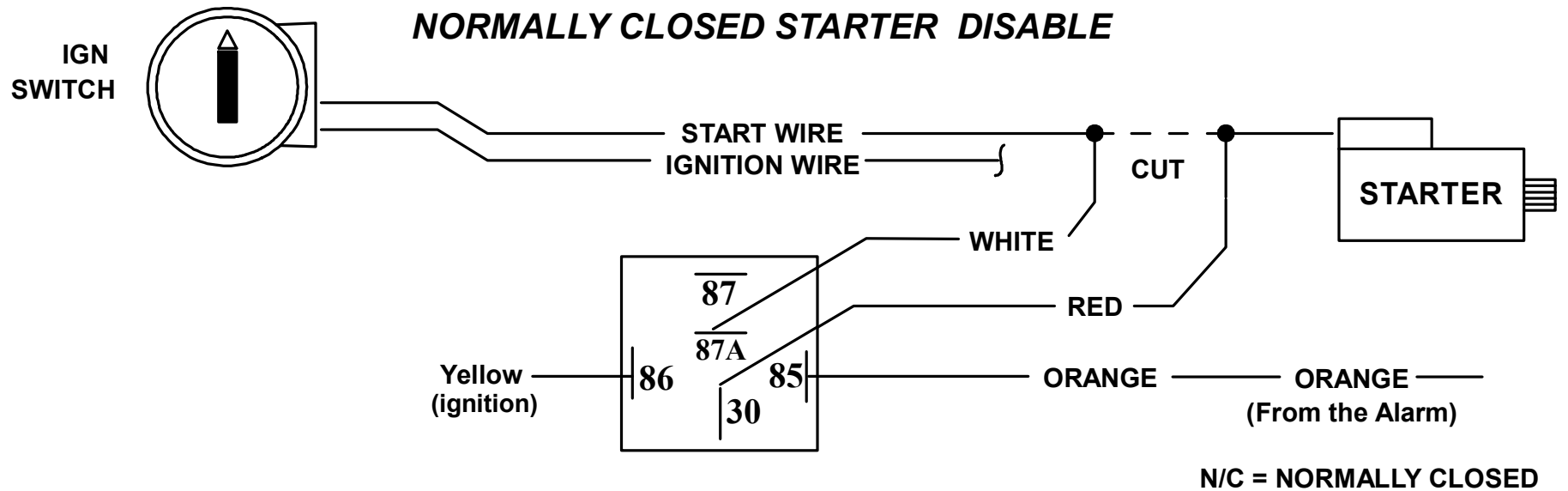**ORANGE/WHITE WIRE: NEGATIVE STARTER DISABLE (Normally Open)**

This wire should be connected to the Orange wire of the pre-wired relay socket for the starter disable.  Connect the Yellow wire of the relay socket to the Ignition switched wire on the vehicle. Remove the white wire from the relay socket with a small flat head screwdriver an insert it in pin # 87. Cut the vehicle starter wire and connect each half to the Red and White wire on the relay socket. *See (Normally Open) Starter disable diagram on page 11.*

**ORANGE WIRE: (-) NEGATIVE STARTER DISABLE (Normally Close)**

This wire should be connected to the Orange wire of the pre-wired relay socket for the starter disable.  Connect the Yellow wire of the relay socket to the Ignition switched wire on the vehicle. Cut the vehicle starter wire and connect each half to the Red and white wire on the relay socket. *See (Normally Close) Starter disable diagram on page 11.*

**Note: READ BELOW before connecting starter disable! Normally OPEN use Orange/White wire. For Normally Close use Orange.**

**Normally Closed Starter disable** is the standard type used with most alarm systems today.  This circuit will disable the Starter while the alarm is armed or has been triggered.  If 12V power is removed from the system, the Battery goes dead; the relay will revert back to the closed position. *See Normally Close Diagram.*

**Normally Open Starter Disable** is a High-Security circuit that will disable the starter while the alarm is armed or triggered AND if the unit is unplugged or removed from power.  This means that if the vehicle's Battery goes dead or the unit is unplugged from the vehicle, the car will still not start.  We only recommend this type of circuit if you can install a hidden high-current toggle switch to defeat the Normally Open disable in case of a dead battery or if the unit is unplugged/remove for service. (Toggle not included)  *See Normally Open Diagram.*

# STARTER DISABLE DIAGRAM

## NORMALLY CLOSED STARTER DISABLE

**IGN SWITCH**

START WIRE

IGNITION WIRE

CUT

**STARTER**

WHITE

87

87A

RED

Yellow (ignition)

86

85

30

ORANGE — ORANGE
(From the Alarm)

**N/C = NORMALLY CLOSED**

## NORMALLY OPEN STARTER

**IGN SWITCH**

START WIRE

IGNITION WIRE

CUT

**STARTER**

**Remove white wire from Relay harness from pin (87A) Reinsert it in pin (87) with a small screwdriver.**

Remove

WHITE

87

87A

RED

HIDDEN TOGGLE SWITCH (NOT INCLUDED)

Yellow (To ignition)

86

85

30

ORANGE — ORANGE/WHITE
(From the Alarm)

**N/O = NORMALLY OPEN**

**VIOLET WIRE: (+) DOOR TRIGGER**
Connect to Positive type door switches that show +12 Volts when the door is open and Ground when the doors are closed.

**WHITE/BLACK WIRE: DOOR UNLOCK CONTROL INPUT**
Connect Door Unlock input from aftermarket switch. This is a negative Door Unlock input that controls the onboard relay for Power Door Unlock output wire.

**WHITE/GREEN WIRE: DOOR LOCK CONTROL INPUT**
Connect Door Lock input from aftermarket switch. This is a negative Door Lock input that controls the onboard relay for the Power Door Lock output wire.

**YELLOW WIRE: IGNITION SWITCHED "ON" and "START" +12 VOLTS**
Connect to a (+) Ignition wire that shows +12 Volts when the key is in both the "ON" and "Cranking" positions.

**GREEN WIRE: (-) DOOR TRIGGER**
Connect to Negative type door switches that read ground when a door is opened and 12 volts when all doors are closed.  In the case of isolated door triggers, you may need to run additional wires from other doors OR go directly to the dome light.

**BLUE WIRE:(-) HOOD TRIGGER**
The Blue wire is used for a grounding hood pin switch.  Connect to existing pin switches that read ground when open.  If no existing switches are available, install new pin switches if desired. Note: DO NOT mount new pin switches in water pathways

**WHITE: (-) TRUNK PIN SWITCH INPUT**
Input trigger for a grounding trunk pin switch.  Connect to existing trunk pin switches that read ground when open.  If no existing switches are available, install new pin switches if desired.  Note: DO NOT mount new pin switches in water pathways.

WINDSHIELD

RECOMMENDED
ANTENNA
LOCATIONS
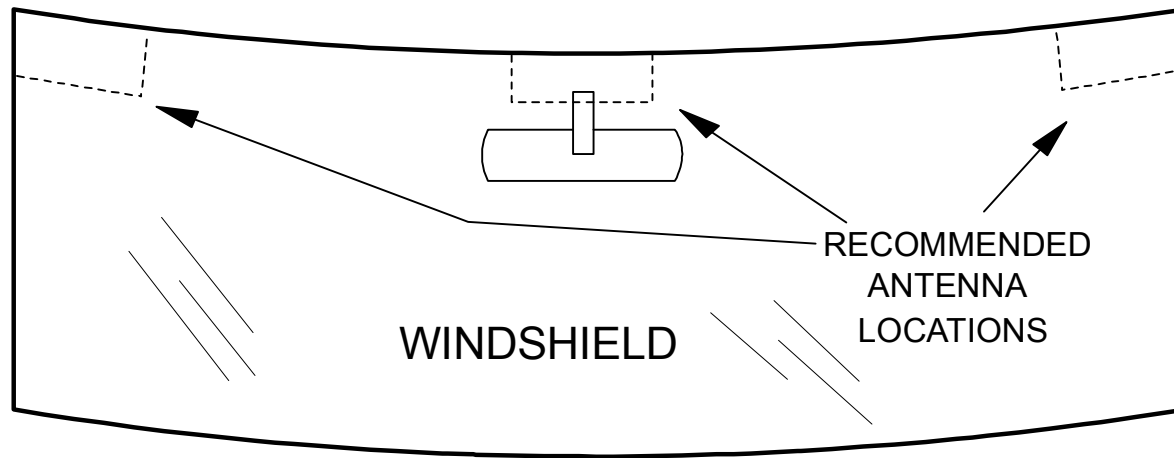
**CS-2205ADVTW1 Antenna System**

Window Mount
Antenna

Antenna

Wire

**CS-2205ADVTW1**
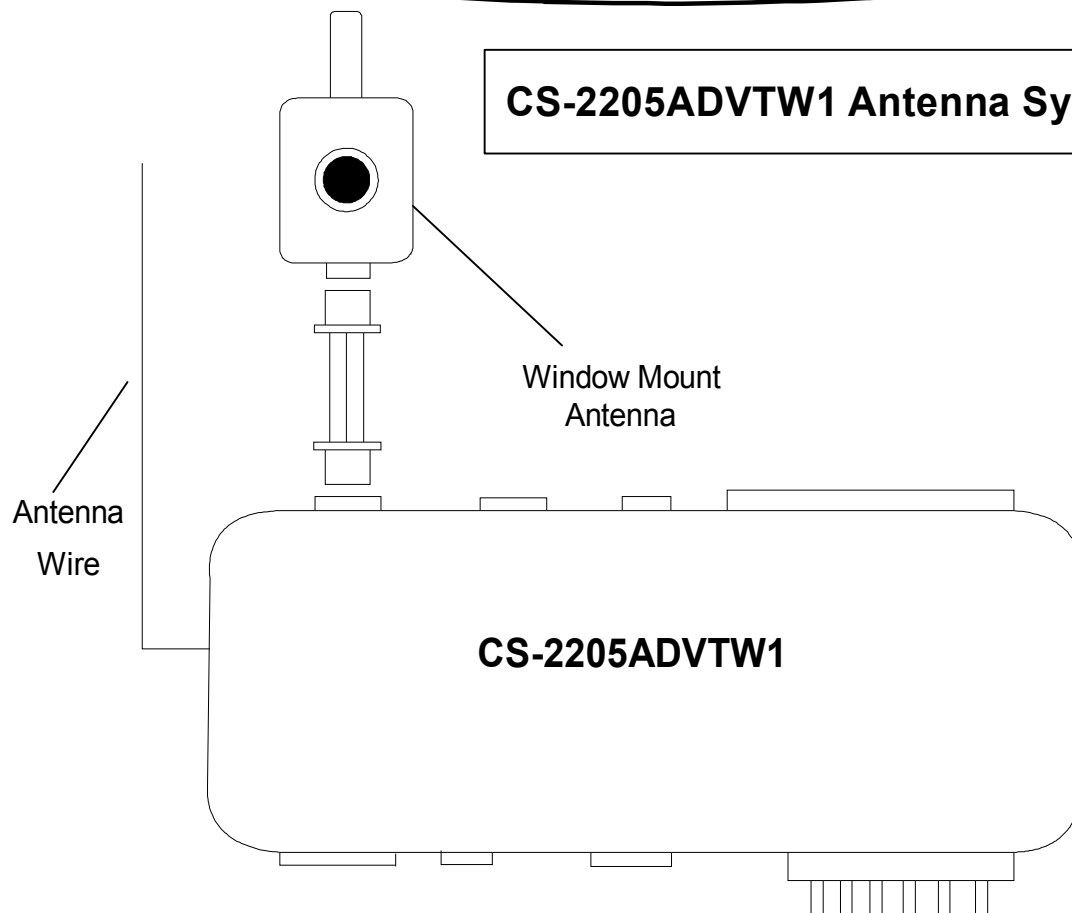
# PROGRAMMABLE OPTIONS

*You can program multiple options in one session if you start with the lowest option and continue on to higher options [if needed] without repeating steps #1-3 below.  For example, you can follow the programming steps to change Option #2 to "OFF" by pressing the lock button on the remote, then you can continue pressing the program button additional times to get to a high number option and change the setting without having to repeat Steps 1-5.  You can only go from low to higher option numbers in one session.*

**To Engage Option Programming:**
1. Turn Key to the ON position
2. Press program / valet button 5 times, after a few seconds the unit will flash the lights 5 times.
3. Push the valet/program button [again] the number of times that corresponds to the option number desired (1 thru 25). You must get a light flash after each button press.  See chart on next page for option list.
4. When you reach the desired programming level, Press button #1, #3 or #4 to change the option.
5. Turn Ignition OFF and check for changed features. Change each option individually repeating #1-4.

# AUX Channel 1 (2 / 3 / 4) Timed Output Programming

1. After you reach the desired Aux Channel programming option, press transmitter button #4 (✳ symbol). The LED, Siren and Horn flash 4 times to indicate you are in Timer Programming mode".
2. Press and hold the valet switch, the timer will immediately start.
3. When the desired interval has passed, release the valet switch. You will get one long chirp for confirmation. (Set to any interval between 1 second and 2 minutes)

**Note 1: If your built-in timer controls window/sunroof closure in your car DO NOT change the timer setting! This requires installer-only programming. Changing the value will adversely effect operation and may cause damage.**

**Note 2:**
**Momentary output** = The momentary output selection will output a negative signal from the Channel 2, 3 or 4 output immediately when the channel 2, 3 or 4 button is pressed and will continue until the button is release.
**Latched output** = The latched output selection will output a negative signal as soon as the Channel 1/2/3/4 button is pressed and will continue until the button is pressed again.
**Latched output / reset with ignition** = The latched / reset with ignition output selection operates just like the latched output but will reset or stop when the ignition is turned on.

# PROGRAMMABLE OPTION TABLE

| Option # | CS-2205 Alarm Function | TX Button #1 | (*DEFAULT) TX Button #2 | TX Button #3 | TX Button #4 |
|---|---|---|---|---|---|
| 1 | Horn Pulse | Door & Hood Trigger Only | *All Functions | No Warn-A-Way | No Arm/Disarm Pulse |
| 2 | Auto lock with Ignition | OFF | *ON = Lock/Unlock | Lock Only | Unlock Only |
| 3 | Passive/Active Arming | ON = Passive Arm | *OFF = Active Arm | | |
| 4 | Active Re-Arm | ON | *OFF | | |
| 5 | Passive Locks | ON | *OFF | | |
| 6 | Parking Lights on w/Disarm | OFF | *ON | | |
| 7 | Arm with Ignition ON | OFF | *ON (Sensors OFF with Ign. ON) | ON (Sensors ON with Ign. ON) | |
| 8 | Siren Chirps w/Arm/Disarm | OFF | *ON | | |
| 9 | Override PIN Code | ON | *OFF | | |
| 10 | Disarm on Trunk pop | OFF | *ON | | |
| 11 | Open Door Warning | 5 seconds with page | *60 seconds with page | 5 seconds without page | 60 seconds without page |
| 12 | Lock/Unlock Pulse | 3.5 Sec. | *0.80 Sec. | 0.50 Sec. | Comfort Feature Windows Up(10 sec. lock pulse) |
| 13 | Double Unlock Pulse | ON | *OFF | | |
| 14 | Option not use | | | | |
| 15 | Option not use | | | | |
| 16 | Enable Range Check | ON | *OFF | | |
| 17 | "TEST MODE" | Zone 2 & 3 | *OFF | Zone 1 & 4 | |
| 18 | Panic Mode | OFF | *ON (With Ignition On or Off) | With Ignition Off | |
| 19 | Aux Channel #1 | Latched | 1-sec | Reset with Ignition ON | Timed 1 to120 Seconds |
| 20 | Aux Channel #2 | Latched | *Momentary | Reset with Ignition ON | Hold Valet Button |
| 21 | Aux Channel #3 | Latched | *Momentary | Reset with Ignition ON | For time period |
| 22 | Aux Channel #4 | Latched | *Momentary | Reset with Ignition ON | Then release |
| 23 | P#7 Blue/white wire | Aux Channel #4 | *2 Step Unlock | | |
| 24 | P#1 Black/white wire | Aux Channel #4 | *Dome Light | | |
| 25 | Option Reset to Default (*) | | *Reset options | | |

# PROGRAMMABLE OPTION RESET

This system provides a reset method to restore all options to FACTORY DEFAULT VALUES as listed in the "Button #2" column of the programmable option chart on pages 18-19. This can be helpful if you have lost track of the option settings on your system, or when you are moving the system from car to car and want a "clean slate".
1. Turn Key to the ON position
2. Press program/valet button 5 times, after a few seconds the unit will flash the lights 5 times.
3. Then, press the program/valet button 25 times. Press carefully,do not lose count! You must get a light flash each time you press the button. If the unit didn't flash the lights, then the system did not register your press.
4. Press unlock button on Remote. Program option are now reset to default values.

# OPTION PROGRAMMING

**1. HORN PULSE:**
Use this option to control the Brown/White wire to determine how your Horn honks, Arm and Disarm, with all Functions, with warn-a-way on your shock sensor or with trigger only.

**2. AUTOLOCK WITH IGNITION**
This option controls whether the doors will automatically lock when the ignition is turned on and will unlock when the ignition is turned off.

**3. PASSIVE ARMING**
This option controls the Passive (Automatic) arming feature. If ON, arming will occur 30 Seconds after the ignition is turned off and the last door has been closed. The LED will begin flashing rapidly. If a door is reopened, the system will wait (LED will turn off) until the door or zone is close before arming.

**4. ACTIVE RE-ARM**
Active Re-arming allows the system to re-arm itself 60 seconds after disarmed with the transmitter if a door has not been opened. This is handy if the vehicle is accidentally disarmed without your knowledge. Note: Active re-arm is reset by dome light illumination.

**5. PASSIVE LOCKS**
This option controls whether the doors will also lock when Passive Arming occurs. Note: May increase the risk of locking keys in the vehicle.

**6. PARKING LIGHTS ON WITH DISARM:**
Keeps parking lights on when system is disarmed to assist in locating and providing illumination near your vehicle when approaching at night for safety.

## 7. ARM WITH IGNITION ON:

This feature allows the system to arm when the ignition key is on or off, or arm the system with key off only.

## 8. SIREN CHIRPS WITH ARM/DISARM:

With this feature, siren chirps with Arm/Disarm can be programmed either ON or OFF when using the regular Lock/Unlock buttons. When chirp are OFF, the Flashing parking lights will be the only Arm/Disarm confirmation.

## 9. OVERIDE PIN CODE:

This feature allows you to enter your personal Pin Code for high security to disarm the alarm with out your remote.
Also in carjack Mode.

## 10. DISARM ON TRUNK POP AUX CHANNEL #1:

Controls whether the system will or will not DISARM when opening trunk or AUX. feature is used. When the feature is tuned on the unit will DISARM when opening trunk or using an auxiliary device controlled by the Gray wire.

## 11. 5/60 OPEN DOOR WARNING: (With page or without page)

This setting changes the delay time in which the alarm system begins to monitor the Door circuit. This option can prevent the alarm from giving warning chirps on vehicles with a delayed dome light.

## 12. LOCK/UNLOCK PULSE TIME AND/OR COMFORT FEATURE WINDOW UP

Controls the amount of time 0.5 sec, 0.8 sec., 3.5 sec. for the lock/unlock pulse. The 3.5 sec. setting may be required for 1980'/90's European Vehicles that require a long pulse to operate Vacuum door lock systems.

**Comfort feature window up:** Activate window roll-up on some vehicles through door locking systems with 10 seconds lock pulse. Some vehicle have a "Special Comfort Feature" when you lock the door with the key you just have to keep on turning key on the door about 5-7 second and the window will close. If your vehicle has this feature you can use the "Comfort feature windows up" to roll up windows when you armed the alarm.

## 13. DOUBLE UNLOCK PULSE:

This option controls whether the unit will send one or two unlock pulses when disarmed. This feature may be required for interfacing to existing Factory Keyless Entry or Alarm systems in a vehicle. These systems are found on some Nissan, VW, Toyota, and Lexus vehicles.

## 14. OPTION NOT USED

## 15. OPTION NOT USED

## 16. ENABLE RANGE CHECK:

If this feature is selected, the system will automatically check the range in 60 seconds after arming, then every 20 minutes.

## 17. TEST MODE:

In this test mode, this system can test the Zone 2 (Instant ground trigger), the Zone 3 (Door trigger), and the Zone 1 & Zone 4 (2 stage shock sensor) sensitivity without using the traditional arming/disarming procedures to test the sensors.

## 18. PANIC MODE OPTION:

Panic Mode has 3 options: No Panic from Remote, Panic from the Remote (with your ignition key on or off only), or Panic from the Remote (ignition key off only).

## 19. AUX CHANNEL #1:

This option controls the function of the Gray wire for a negative output for a Latched. 1-Sec pulse or Timed output.

## 20. AUX CHANNEL #2:

This option controls the function of the Black/Red wire for a negative output for a Latched, Momentary or Timed output

## 21. AUX CHANNEL #3:

This option controls the function of the Black/Violet wire for a negative output for a Latched, Momentary or Timed output

## 22. AUX CHANNEL #4:

This option controls the function of the Blue/White or Black/White wire for a negative output for a Latched, Momentary or Timed output depending on option used. Option #23 controls the Blue/White wire and Option #24 controls the Black/White wire.

## 23. PIN# 7 BLUE/WHITE WIRE:

This option determines output of the Blue/White wire: Aux Channel #4 or 2 Step Unlock.

## 24. PIN# 1 BLACK/WHITE WIRE:

This option determines output of the Black/White wire: Aux Channel #4 or Dome Light.

## 25. OPTION RESET TO DEFAULT:

This system provides a "reset method" to restore all options to FACTORY DEFAULT VALUES as listed in the "Button #2" column of the programmable option chart on page 15. This can be helpful if you have lost track of the option settings on your system or when you are moving systems from car to car.

**TRANSMITTER ANTENNA**

**Optional pager (Knock) Sensor**

**PAGER SWITCH**

**VALET SWITCH**

**H 8 16 Pin Connector**

*See Page 8 16 Pin Wiring Diagram*

**ANTENNA WIRE**

**H 5**
**4 Pin**
**Black**

**H 6**
**3 Pin**
**Brown**

**H 7**
**2 pin**
**Blue**

**H 8**
**16 Pin**
**White**

## ADV-2205TW1

**H 4**
**6 Pin**
**White**

**H 3**
**2 Pin**
**White**

**H 2**
**4 Pin**
**Orange**

**H 1**
**6 Pin**
**White**

**H 4**
**6 Pin White**
**Connector for**
**Door locks &**
**Door unlocks**
**Connection**

**Dual Zone Shock Sensor**

**L.E.D. Indicator**

**1.White**: Parking Light Relay Output

**2.Red/White**: Parking Light Relay Power input

**10 A**

**3.White**: Parking Light Relay Output

**4.Black:** Ground to Vehicle Frame

**5.Brown:** Positive Output to Siren

**3 A**

**6.Red**: 12V Input

1.  Turn key to the ON position.
2.  Press Programming button 4 times, then after a few seconds the unit will flash the parking lights 4 times.

Press buttons #1 (Lock) & #2 (Unlock) together at the same time of each transceiver to be learned. You should get 2 light flashes indication the unit is waiting for a 2nd code, then press button #1 & #2 of a second transmitter or transceiver, the unit will flash 3 times indicating its waiting for the 3rd code and lights will flash 4 times for 4th code. If all 4 codes are learned, the unit will automatically exit code learning mode.

**OFF** **IGN**

**PRESS 4X's**

**WAIT FOR 4 FLASHES**

**OR**

**Advantage™**

**PRESS TOGETHER**

**PRESS TOGETHER**

**FLASH 2, 3, or 4 X's**

**OFF** **IGN**

**20**
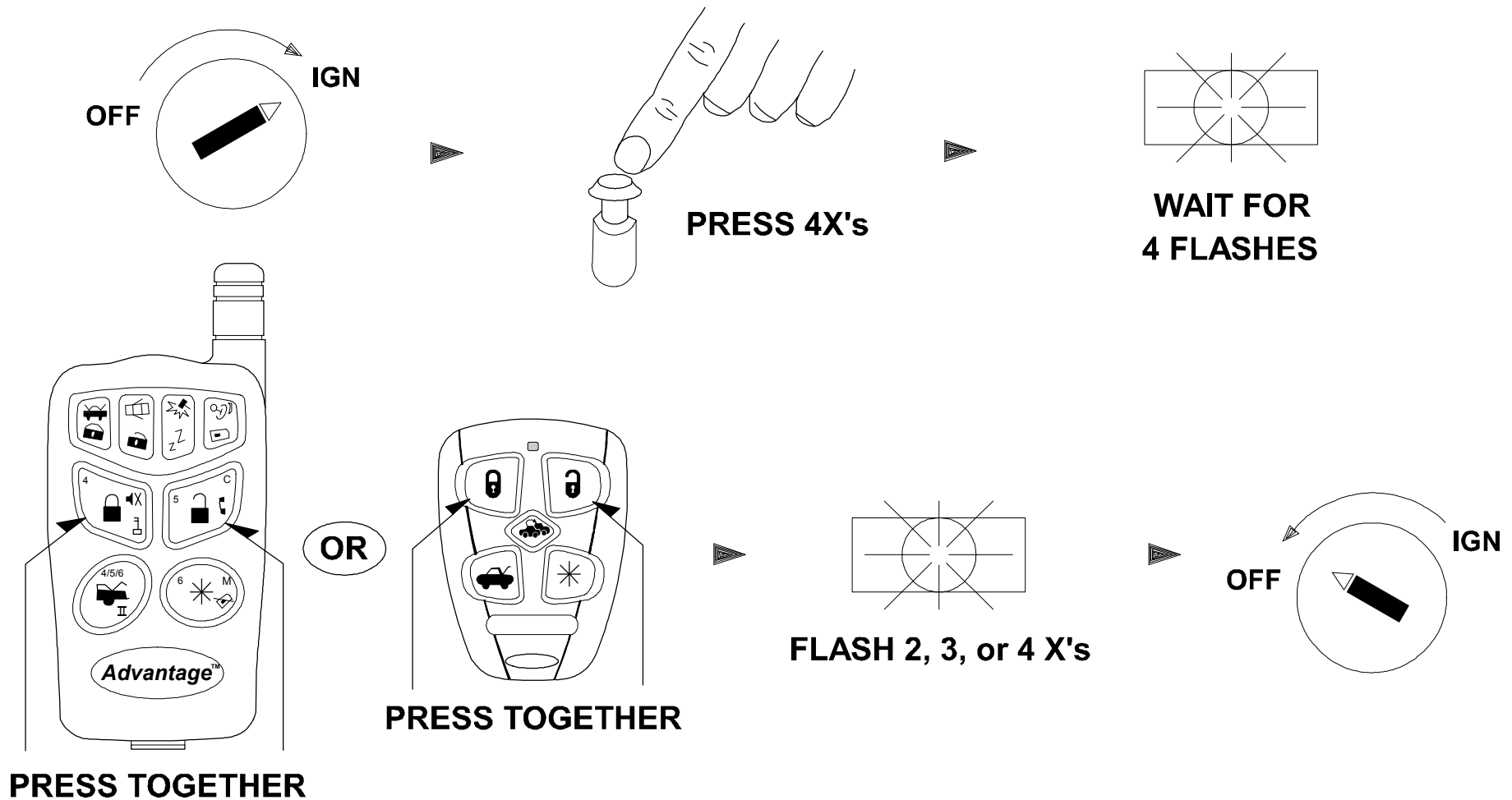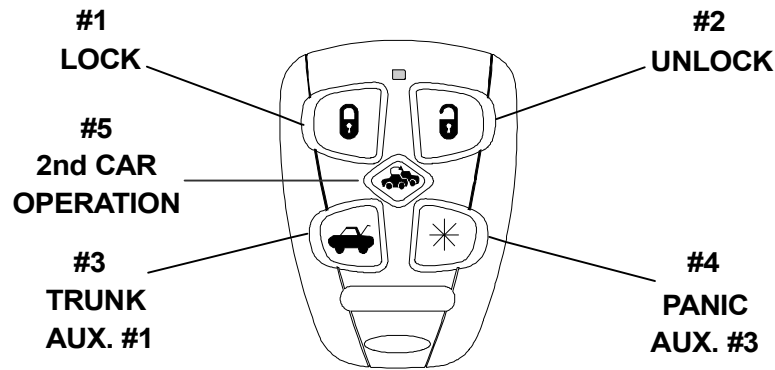
**STANDARD REMOTE**
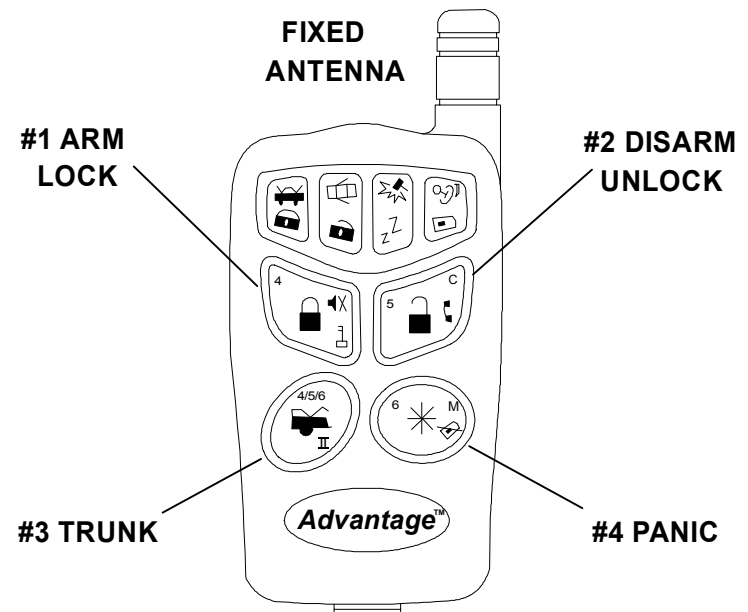
**TWO-WAY REMOTE**

| Transmitter Button | System Function | Remark | LED Remote | Remote Sound |
|---|---|---|---|---|
| 🔒 | Lock Doors & Arm System | | 🔒 LED turns on for 1.5 seconds | One Beep |
| 🔒 - 🔒 | Arm and Delete The 2 Stage Shock Sensor. | Press twice within 3 seconds | 🔒 LED turns on for 1.5 seconds | |
| 🚗 - 🔒 (〄) | Arm System and Hidden Alarm Function | Press within 3 seconds | 🔒 LED turns on for 1.5 seconds | |
| 🔒 + 🔓 | Silent Arming / Disarming | Ignition in "off" position. | 🔒 or 🔓 LED turns on for 1.5 seconds | |
| 🔓 | Unlock Doors & Disarm System | | 🔓 LED turns on for 1.5 seconds | Two Beeps |
| 🔓 - 🔓 | Two Steps Door Unlock & Disarm System | Press twice within 2 seconds. | 🔓 LED turns on for 1.5 seconds | Two Beeps |
| 🚗 (2-second) | Trunk Release (Aux Channel 1) | Press and Hold for 3 seconds | | |
| 🚗 - 🚗 | Passive Arming By-pass | While the system Disarmed. | | |
| ✳ | Car Locator | | | |
| ✳ (3-second) | Panic function | Press and Hold for 3 seconds. | | |
| 🔒 + 🚗 | Aux Channel # 2 Timer Output | | | |
| 🔓 + 🚗 | Aux Channel # 3 Timer Output | | | |
| ✳ + 🚗 | Aux Channel # 4 Timer Output | | | |

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## TWO-WAY LED REMOTE

| | LED | LED REMOTE BEEPS (After Disarm trigger) |
|---|---|---|
| Hood / Trunk Trigger | 🚗 LED pause flash for 15seconds | 4 Beeps |
| Door Trigger | 🚗 LED pause flash for 15 seconds | 4 Beeps |
| Shock Sensor Trigger | 🚗 LED pause flash for 15 seconds | 4 Beeps |
| Ignition Trigger | 🔑 LED pause flash for 15 seconds | 4 Beeps |

### LED display:

| LED | Function |
|---|---|
| Off | Disarmed |
| Slow Flash | Armed |
| Fast Flash | Passive Arming |
| On (Solid) | Valet Mode |

| LED | Function |
|---|---|
| | Zone 1 / Warn-Away Trigger |
| 2 flashes... pause | Zone 2 / Trigger on Trunk/Hood |
| 3 flashes... pause | Zone 3 / Trigger on Door Switch |
| 4 flashes... pause | Zone 4 / Trigger on Shock Sensor |
| 5 flashes... pause | Zone 5 / Trigger on Ignition Switch |

### CHIRP INDICATORS:

| Chirp | Function |
|---|---|
| 1 chirp | Arm |
| 2 chirps | Disarm |
| 3 chirps | Ajar Warning |
| 4 chirps | Disarm / Triggered |
| 6 chirps | Car Locator |

### PARKING LIGHT:

| Parking light | Function |
|---|---|
| 1 flash | Arm |
| 2 flashes | Disarm |
| 3 flashes | Disarm / Triggered |
| 12 flashes | Car Locator |

### ALARM OPERATING CONDITION:

| | Siren / Horn | Parking Light | LED | Doors | Starter | Dome Light |
|---|---|---|---|---|---|---|
| 1. Arming | 1 or 3 Chirps | 1 Flash | Slow Flash | Locking | Disable | |
| 2. Disarming | 2 or 4 Chirps | 2 or 3 Flashes | | Unlocking | | Turns on for 30 -second |
| 3. Trigger | Alarming | Flashes | Slow Flash | | Disable | Flashes |
| 4. Panic | Alarming | Flashes | | | | Flashes |
| 5. | | | | | | |
| 6. Car Locator | 6 Chirps | 12 Flashes | | Locking | | |

| ARM | LED | MELODY SOUND |
|---|---|---|
| Arm & Hood / Trunk Ajar | 🚗 LED pause flash for 15 seconds | Three Chirps |
| Arm & Door Ajar | 🚗 LED pause flash for 15 seconds | Three Chirps |

**Second Vehicle Security Operation:**
Your remote transmitter can be utilized to control a second vehicle security system. To program the remote control transmitter to a second vehicle, follow the instructions for Transmitter programming. All programming parameters are the same except for the following:

**For Regular Remote Control Transmitter:**
1. Prior to pushing any button on the transmitter. Press button # 5 ($2^{nd}$ Car Operation) first on the transmitter.
2. Once button #5 ($2^{nd}$ Car Operation) is pressed the LED on the transmitter will illuminate for 2.5 seconds to indicate the second car operation is active.
3. While the LED is illuminated, press any button on the remote control transmitter to control a second vehicle security system.

**For 2-way LED Remote Control Transceiver:**
**2nd Car Operation:**
You can remote control and communicate with a second vehicle security system. It has two short "beep" sounds while pressing the button of the 2-way LED transceiver.
1. Press and hold all four remote control buttons simultaneously unit one long beep is heard. Programming has now been entered.
2. Within 5 seconds press and hold 🚘 button until two beeping sounds is heard. The second car operation is set.
3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.

**Back to 1st Car Operation:**
You can remote control and communicate with a first vehicle security system. It has one short "beep" sound while pressing the button of the 2-way LED transceiver.
1. Press and hold all four remote control buttons simultaneously unit one long beep is heard. Programming has now been entered.
2. Within 5 seconds press and hold 🚘 button until one beeping sound is heard.
3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.

### ARMING

To arm the alarm and lock the doors, press the #1 Button on any remote. You will hear a single siren chirp and the lights will flash once. The system will arm, the doors will lock (optional) and the starter (optional) will be disabled. The red in-dash LED in the vehicle will begin to flash. After a short delay of 10-15 seconds to allow vehicle and electronics to stabilize the system will be completely armed.

### DISARMING

To disarm the alarm and unlock the doors, press the #2 Button on any remote. You will hear 2 siren chirps and the lights will flash twice. The in-dash LED stops flashing dome light turns on (Optional). If the alarm is currently tripped, then the #2 Button will have to be pressed two times. The first press will only reset the pager (Beep) and the second press will disarm the system.

### ALARM TRIGGERING

If there is an intrusion into the vehicle, the alarm siren will sound and flash the lights for 30 sec.. This is known as a cycle. After the cycle, the system will automatically reset and continue to protect the vehicle. If a door was left opened, then the unit will trigger up to 6 cycle, reset, and continue to protect the other un-tampered zones.

### REMOTE PANIC PROTECTION

To sound the alarm upon command (panic), press and hold the Button #4 on any transmitter for at least 2 seconds until the siren sounds and lights flash. Repeat again to reset the panic mode. Panic will sound for a maximum of 30 sec.

### SILENT ARM/DISARM

Press the transmitter 🔒 and 🔓 buttons at the same time will arm or disarm your security system, No chirp sound will be heard, arm / disarm confirmation will be through the vehicles parking lights only.

### SHOCK / IMPACT PROTECTION WITH PRE-WARNING

Once the system is armed, if a low-level shock to the vehicle body is detected, the pre-warning sensor activates LED Remote and parking light flash three 3 times as a Warn-Away feature. If a hard impact to the vehicle is detected the system will go into a full trigger cycle for 30 seconds. Adjust the shock sensor as needed by turning the control knob clockwise or counter-clockwise to increase or decrease the sensitivity. Shock sensors will "settle in" over time and it may take a few tries over a few weeks. To get the adjustment correctly for your vehicle, we recommend a moderate adjustment where the vehicle is protected but it is not constantly triggering from the slightest vibration creating a nuisance.

### DOOR OPEN WARNING

If the system detects a faulty or open zone (Door left open), it will notify you by providing 3 warning chirps from the siren 5/60 seconds after arming. If you receive this warning, check to see if a door is ajar. If you are unable to do so, then this

particular zone will NOT be protected by the alarm. All remaining functioning zones will still be protected if the system remains armed.

## AUTOLOCK/UNLOCK
Autolock / Unlock allow the alarm to control the door locks automatically with the vehicle's Ignition. When the ignition is turned on, 3 seconds later, the doors will lock. When the ignition is turned off, the doors will unlock. *Door lock with Ignition ON will not occur if a door is open to prevent accidentally locking the keys in the vehicle.*

## ACTIVE RE-ARMING (FAIL-SAFE PROTECTION)
Active Re-arming means that the system will re-arm itself 60 seconds after disarmed with the transmitter [if a door has not yet been opened]. This is handy if the vehicle is accidentally disarmed (via the transmitter in your pocket) without your knowledge. The Active rearm feature is disabled if you have dome light illumination installed.

## SHOCK SENSOR BY-PASS
Press the 🔒 button on the transmitter two times within 3 seconds will arm the security system and by-pass the shock sensor. The system will chirp one additional time to confirm the sensor bypass mode was activated. The sensor bypass feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

## HIDDEN ALARM FUNCTION
Press the 🚗 button first; within 3 seconds press the 🔒 (💥) button to activate the hidden alarm function. The security system will arm and with "Hidden Alarm Function". The siren / horn will be silenced even if the alarm is triggered in the armed status.

## PASSIVE ARMING (OPTIONAL)
Active arming / disarming is controlling your security system via the remote transmitter. This security system is equipped with an optional Passive Arming feature, which allows the security system to arm 30 seconds after the last door is closed. Operation is as follows.
1. Turn the ignition to the "OFF" position and exit the vehicle.
2. After all entrances are closed, the security system LED will flash fast for 30 seconds. If you reopen any door / hood / trunk, the security system LED will stop flashing. It will begin flashing again once all vehicle entrances are closed.
3. After 30-second timer has elapsed, the security system will automatically "ARM". The siren will chirp [1] time and the parking lights will flash [1] time.

## PASSIVE ARMING BY-PASS
While the system disarmed, Press the 🚗 button twice, the security will respond with [1] chirp and LED will turn "ON". The security system will remain in this temporally state for as long as you wish. To exit passive by-pass, press the transmitter 🔒 or 🔓 button and the system will return to normal status.

**TAMPER DISARMING**
 If alarm triggered, upon disarm the system, siren chirp 4 times, parking light flash 3 times.

**TWO STEPS DOOR UNLOCK (OPTIONAL)**
 This feature will independently unlock the driver's door only when disarming the security system. Pushing the 🔓 button a second time within 2 seconds will unlock the other doors.


**DISARMING WITHOUT A TRANSMITTER**


**OVERRIDE THE ALARM WITHOUT PASSWORD PIN CODE** (Factory Default Setting)
The Override function may be used if the remote transmitter is lost or inoperative.
    1. Enter the vehicle and turn the ignition switch to 'ON' position. (Alarm will sound.)
    2. Within 10 seconds push and release the valet switch
The alarm will stop sounding and enter the disarm mode. You can now start and operate the vehicle normally.

**PASSWORD PIN CODE SETUP** *Note: Pin code only 2 digits and can't be set to #0.*
 Goes to option #9 "Override pin code". Press button #1 to turn "ON" override pin code.
1. Within 15 seconds, begin to enter the first digit of your chosen pin code by pressing and releasing the program/valet button from 1-9 times, the horn and siren will chirp on each press.
2. Turn ignition OFF, then turn back "ON".
3. Within 15 seconds, begin to enter the second digit of your chosen pin code by pressing and releasing the program/valet button from 1-9 times, the horn and siren will chirp on each press.
4. Turn ignition "OFF". If the new password pin code was accepted. The unit would report back the newly enter code by flashing the status LED. First indication the first digit code has been memorized, pause and then the indication the second digit code, unit will repeat the new password pin code 3 time to confirm. Then unit automatically exit by it self.

**OVERRIDE THE ALARM WITH PASSWORD PIN CODE**
Unlike valet button easily found, and defeated, this security system allows the consumer to program a password pin code. Offering a higher level of security.
1. Enter the vehicle and turn the ignition switch to 'ON' position. (Alarm will sound.)
2. Within 5 seconds, enter your chosen the first digit code by press and release the Program/Valet button.
3. Within 15 seconds enter (the 1st code); turn the Ignition Switch "OFF" and then "ON".
4. Within 15 seconds, enter your chosen of the second digit code by press and release the Program/Valet button. (Alarm will stop)
5. Turn the ignition switch "OFF" position. [4] Chirps form siren/horn, [3] flash from parking light to indicate the system was disarmed.

**EXAMPLE: To Override The System With The Password Code 83, you would;**

1. Enter the vehicle and turn the ignition switch to 'ON' position. (Alarm will sound.)
2. Within 5 seconds, Press and Release the Program/Valet button 8 times
3. Within 15 seconds of the last digit code enter (the 1$^{st}$ code), turn the Ignition Switch "Off" and then "ON".
4. Within 15 seconds, Press and Release the Program/Valet button 3 times
5. Turn the Ignition Switch to "Off" position. [4] Chirps form siren/horn, [3] flash from parking light to indicate the system was disarmed.

**VALET MODE (System in Disarm or Valet mode)**

The valet button allows you to temporarily bypass all alarm function, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in valet mode, all alarm function and remote start functions are bypassed, however the remote panic feature and remote door locks will remain operational. To use the valet mode, the system must be disarmed either by using you remote transmitter, or by operating the Manual override sequence.

**Enter Valet Mode:**

1. From the disarmed condition, turn the ignition to "ON" position.
2. Push and hold valet button for 2 seconds until the LED turns on. The LED wills remain on as long as the system is in 'valet mode'.

**Exit Valet Mode:**

1. Return to normal operation, turn ignition 'on'.

2. Push and hold program/valet button for 2 seconds, The LED wills turn off indicate the system are exiting the valet mode.

| THE ACTION OF THE 2-WAY LED REMOTE CONTROL TRANSCEIVER | | |
|---|---|---|
| | LED | LED REMOTE SOUND |
| Enter The Valet Mode | Z LED turns on for 1.5 seconds | Two beeps |
| Exit The Valet Mode | | Three beeps |
| Remote Door Lock | Z LED turns on for 1.5 seconds | 1 beeps |
| Remote Door Unlock | Z LED turns on for 1.5 seconds | 2 beeps |

**CAR LOCATOR**

Press ✱ button to active car locator function. The siren and horn will chirp 6 times. The parking light will flash 12 times, for you to easily locate your car.

**PANIC FUNCTION**

The transmitter can be used as a remote panic switch to manually trigger the alarm in case emergency.

1. Press and hold the ✱ button for 3 second. The alarm will immediately sound.
2. During panic mode, the normal function of this transmitter button will be suspended. The transmitter 🔒 and 🔓 buttons can be used to lock and unlock the door (if the option is installed), however once the 🔓 button is pressed, the vehicle's starter disable device, (where installed) will be enable allowing the vehicle to start. To stop the alarm, press and hold the transmitter ✱ button on the transmitter again for 3 seconds. Also ✱ button is pressed and released, the panic mode will be turned off immediately.
3. If the button is not pressed, the alarm will automatically stop after 30 seconds.

**TRIGGER THE SYSTEM**
When armed, your vehicle is protected as follows:
1. Light impact will trigger the warn-away signal.
2. Heavy impacts / Doors open / Hood open / Trunk open / Turn on the ignition key will trigger the programmed sequence.

**DOME LIGHT CONVENIENCE DELAY & SUPERVISION**
The alarm with a unique feature which will turn on your vehicle dome light as following:
1. Upon disarming, the interior light will remain on for 30 seconds.

2. If the vehicle is intruded, the interior light will flash for the same duration as the siren.
Note: Turn on the ignition switch or arm the alarm will turn off the dome light.

**IGNITION CONTROL DOOR LOCK/UNLOCK (OPTIONAL)**
If the vehicle's door locks have been interfaced to the security system, the system will automatically lock the vehicle's doors when the ignition is turned "ON" and /or unlock the vehicle's doors when the ignition is turned "OFF".

**RANGE CHECK (OPTIONAL)**
If this feature is selected, the system will automatically check the range every 20 minutes after armed.
1. If user is within the range, the 🔒 LED will slowly pause flashing.
2. If user is out of range, the 🔒 LED will turns off.
**Note:** Programming "Out Of Range Indication" will decrease the life expectancy of battery.

| THE ACTION OF THE 2-WAY LED REMOTE CONTROL TRANSCEIVER | |
|---|---|
| Within the range | 🔒 LED will slowly pause flashing |
| Out of the range | 🔒 LED turns off. |

**POWER ON MEMORY:** This security system is equipped with circuitry that will allow the unit to remember its alarm state if the power is lost and then reconnected.

| Program Mode For LED REMOTE TRANSCEIVER | | |
|---|---|---|
| Transceiver Button | System Function | Remark |
| **Program Mode - 🔒 (⬛)** | Button Lock | Press within 5 seconds |
| **Program Mode - ✳ (📇)** | Power Save Mode | Press within 5 seconds |
| **Program Mode - 🚗** | Switching code for 2nd / 1st Car Operation | Press within 5 seconds |
| **Program Mode - 🔒 + ✳** | Demo Mode | Press within 5 seconds |
| 🚗 - 🔒 + 🔓 | System's Status Check | Press within 3 seconds |
| 🚗 - 🔓 (📞) | Optional Driving Pager | Press within 3 seconds |
| 🚗 - ✳ (M) | Last Trigger Memory Retrieval | Press within 3 seconds |

**Button Lock On / off:** It is useful if you want to disable the transmission function of the remote control temporarily to prevent from any inadvertent pressing of buttons by others. The "beep" sound always muted while press button and 🔒 / 🔓 / **Z** / ✳ LED will flash at the same time for 3 seconds to show the remote control transceiver is on "Button Lock" mode.

    1. Press and hold all four remote control buttons simultaneously unit one long beep is heard. Programming has now been entered.
    2. Within 5 seconds press 🔒 (⬛) button. The remote will beep once for "On", twice for "Off".
3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.

| THE ACTION OF THE 2-WAY LED REMOTE CONTROL TRANSCEIVER | | |
|---|---|---|
| | **LED** | **MELODY SOUND** |
| Button Lock Mode | 🔒 / 🔓 / **Z** / ✳ LED will pause flashing at the same time for 3 🔒 seconds | No "bi" sound while pressing the button of the remote control transceiver |

**Power Save Mode:** While the power save mode, the LCD remote transceiver "sleep" until a button is pushed, extending the life of battery. When power save mode is "Off", the remote control will wake up periodically to check for messages from the security module. When power save mode is "On", the **SAVE** icon on the LCD screens to indicate entry the "power save mode".

    1. Press and hold all four remote control buttons simultaneously unit one long beep is heard. Programming has now been entered.
    2. Within 5 seconds, press the ✳ button to toggle "On" or "Off". The remote will beep once for "On", twice for "Off".

3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.

**System's Status Check:** When you want to check the system's present status through the 2-Way remote control transceiver, Press the 🔳 button first, within 3 seconds press 🔒 and 🔓 button at same time, with one melody sound and all the system's present status will immediately displayed on the LED.

| THE ACTION OF THE 2-WAY LED REMOTE CONTROL TRANSCEIVER | |
|---|---|
| Armed | 🔒 LED turns on for 3 seconds |
| Disarmed | 🔓 LED turns on for 3 seconds |
| Valet mode | **Z** LED turns on for 3 seconds |
| Hood/Trunk Ajar | 🔧 LED pause flash for 10 seconds |
| Door Open | 🚗 LED pause flash for 10 seconds |

**LAST TRIGGER MEMORY RETRIEVAL:** If you want to retrieval last trigger's memory. Press 🔳 button first, within 3 seconds press ✱ **(M)** button, with one melody sound and the last trigger's memory storage in the transmitter will immediately display on the LED.

| THE ACTION OF THE 2-WAY LED REMOTE CONTROL TRANSCEIVER | |
|---|---|
| Hood / Trunk Trigger | 🔧 LED and all of the back-light buttons pause flash for 10 seconds |
| Door Trigger | 🚗 LED and all of the back-light buttons pause flash for 10 seconds |
| Shock Sensor Trigger | 🔨 LED and all of the back-light buttons pause flash for 10 seconds |
| Ignition Trigger | 🔑 LED and all of the back-light buttons pause flash for 10 seconds |

 **Driver Paging / Lose & Found:** It is useful the event that someone wants to page the driver of the parked vehicle or someone cannot find his LCD motorcycle remote transceiver.
 **Indoor Driving Paging:** Under the ignition switch "off" condition, press and hold the valet switch for 2 seconds to page the driver, one chirp sound shall be emitted from the vehicle and the paging melody sound continues sounding from your 2-way remote control transceiver.

# BATTERY REPLACEMENT

**Regular Remote Transmitter:**

If the range of your transmitter deteriorate, it is possible that you need to replace the battery.

1. Remove upper transmitter case.
2. Remove old battery from transmitter.
3. Install a new battery CR2032 (3 volt) noting the (+) and (-) marks in the battery area of the transmitter.
4. Replace upper transmitter case with care, don't damage the inside components.

**2 Way LED Remote Transceiver:**

When the power of the battery is **LOW**, the **" LED"** will flash / pause for 10 seconds and it has no "bi" sound while pressing the button of the remote transmitter.

1. Using a coin, Remove battery cover from *close to *open.
2. Remove old battery from transmitter.
3. Install a new battery **CR2032 (3 volt)** noting the (+) and (-) marks in the battery area of the transmitter.
4 Replace battery cover from *open to *close.

| THE ACTION OF THE 2-WAY LED REMOTE CONTROL TRANSCEIVER | | |
|---|---|---|
| | **LED** | **MELODY SOUND** |
| Low Battery | LED pause flashing for 10 seconds | No "bi" sound while pressing the button of the remote control transceiver |
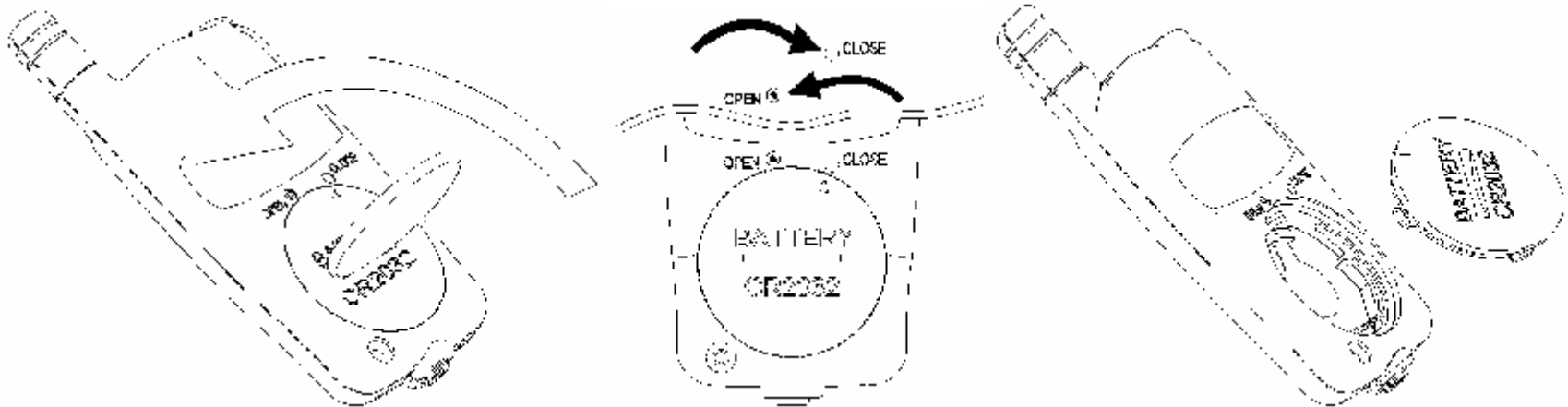
You may refer to the following statement once the security system with no action while you press the 2-way LED remote control transceiver button,

| REMOTE SOUND from remote transceiver | LED on the remote transceiver | Condition |
|---|---|---|
| One "bi" sound while pressing the button of the remote control transceiver | | 1st Car Operation |
| Two "bi" sounds while pressing the button of the remote control transceiver | | 2nd Car Operation |
| No "bi" sound while pressing the button of the remote control transceiver | 🔒 / 🔓 / Z / ✳ LED will pause flashing at the same time for 3 seconds | Button Lock Mode |
| No "bi" sound while pressing the button of the remote control transceiver | 🔋 LED pause flashing for 10 seconds | Low Battery |
| No "bi" sound while pressing the button of the remote control transceiver | | Power Save Mode |
| 2nd Car Operation | Two "bi" sounds while pressing the button of the remote control transceiver | |

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